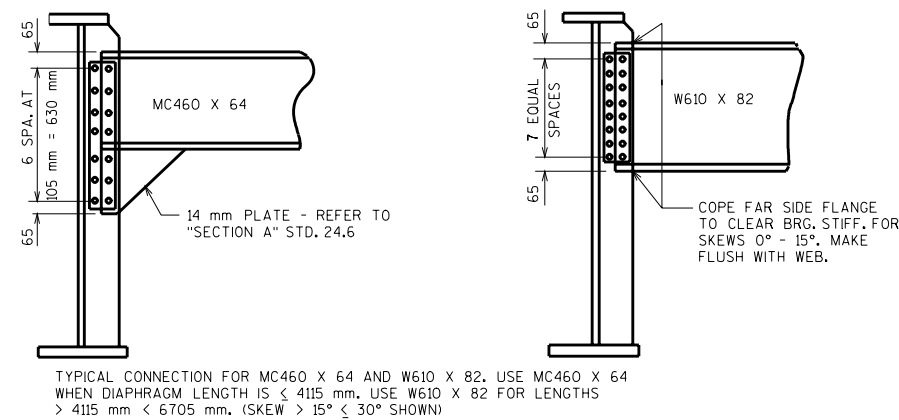
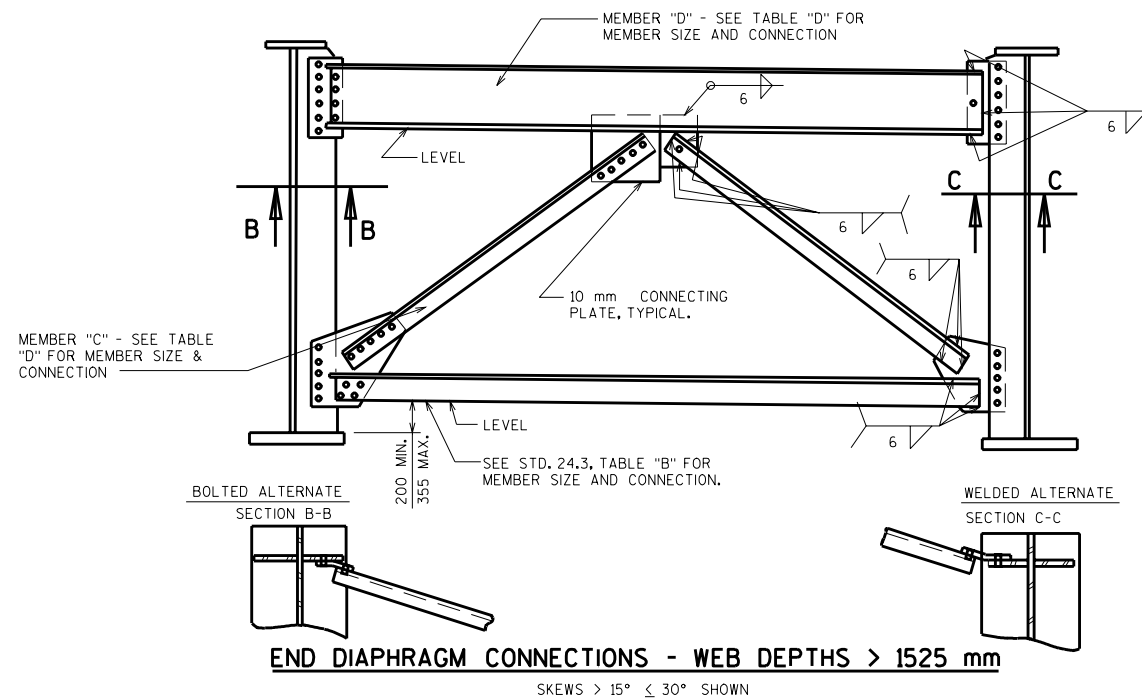


SECTION A-A
END DIAPHRAGM CONNECTIONS - WEB DEPTHS ≤ 1225 mm



END DIAPHRAGM CONNECTIONS - WEB DEPTHS > 1225 mm ≤ 1525 mm



NOTES

ALL BOLTED CONNECTIONS SHALL BE FRICTION TYPE MADE WITH M20 HIGH STRENGTH BOLTS. (A.S.T.M. A325M)

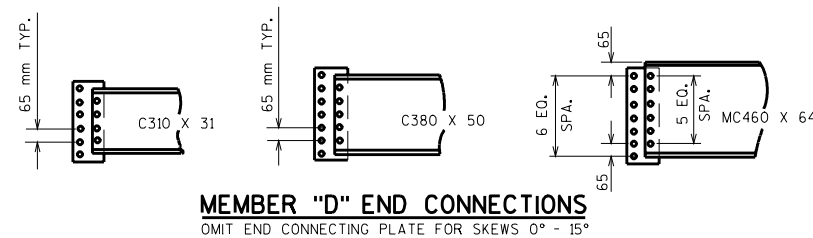
FOR WEB DEPTHS GREATER THAN 1525 mm, THE NUMBER OF BOLTS REQUIRED BETWEEN BEARING STIFFENERS AND LOWER CONNECTING PLATES EQUALS THE NUMBER OF BOLTS REQUIRED IN MEMBER "C" OR THE NUMBER REQUIRED IN THE LOWER HORIZONTAL MEMBER, WHICHEVER IS GREATER.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SHOWN OTHERWISE.

TABLE "D"

MEMBER "C"	WEB DEPTH									MEMBER	MEMBER "D" CONN.	
	1525 - 1975			1975 - 2275			2275 - 2675				NO. OF M20 BOLTS	
	MEMBER "C" SIZE	NO. OF M20 BOLTS	LENGTH OF 6 mm WELD	MEMBER "C" SIZE	NO. OF M20 BOLTS	LENGTH OF 6 mm WELD	MEMBER "C" SIZE	NO. OF M20 BOLTS	LENGTH OF 6 mm WELD		"D" SIZE	CONN. PLATE TO BRG. STIFF.
MAXIMUM LENGTH												
3505	102 X 102 X 7.9	5	330	102 X 102 X 7.9	5	305	102 X 102 X 7.9	5	280	C310 X 31	6 @ 65 mm	4 @ 65 mm
4115	127 X 127 X 7.9	6	430	127 X 127 X 7.9	6	405	127 X 127 X 7.9	6	380	C310 X 31	6 @ 65 mm	4 @ 65 mm
5330	152 X 152 X 7.9	8	510	127 X 127 X 7.9	7	455	127 X 127 X 7.9	6	405	C380 X 50	7 @ 65 mm	5 @ 65 mm
6705	152 X 152 X 7.9	9	585	152 X 152 X 7.9	8	535	152 X 152 X 7.9	7	485	MC460 X 64	7 @ 65 mm	6 @ 65 mm

NOTE: ALL MEMBER "C" SIZES REPRESENT ANGLES.



END DIAPHRAGMS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DEVELOPMENT SECTION

APPROVED: _____

DATE:
1/99